RENDLE'S

PATENT SKYLIGHTS

AND

GREENHOUSE CONSTRUCTION

MARCH, 1893

A. EDGCUMBE RENDLE & CO.

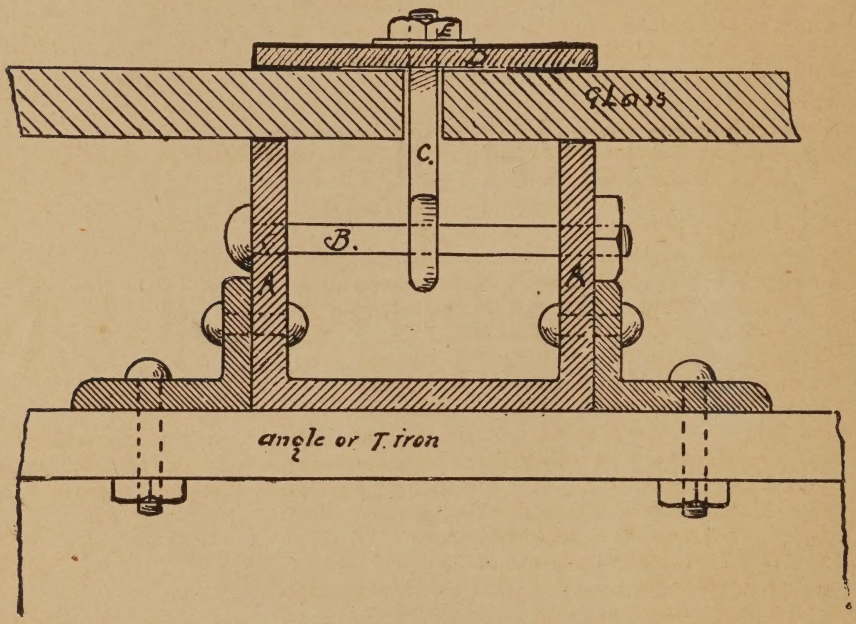
Greenhouse Builders and Glass Roofing Contractors.

EASTERN OFFICE:
532 Walnut Street,
PHILADELPHIA.

WESTERN OFFICE:
196 La Salle Street,
CHICAGO.

The New Skylight Bar.

Our new Patent "Paradigm" System of Glass Roofing for Skylights, Greenhouses, and other glazed structures, now being introduced by us, is unquestionably the strongest, best, most durable and economical ever invented.



IMPORTANT ORDERS

already received for large Skylights to be glazed on the Patent "Paradigm" System are as follows:

Art Institute, Chicago, 30,000 sq. feet,
New York and Brooklyn Bridge Station, 18,000 sq. feet,
Chicago Edison Company, 15,000 sq. feet,
Pencoyd Iron Works, Pa., and others.

PATENT ISSUED DEC. 27, 1892.

INFRINGEMENTS WILL BE VIGOROUSLY PROSECUTED.

REFERENCES.

UNITED STATES GOVERNMENT, Washington Navy Yard, D. C., 20,000 square feet; Patent Office, Smithsonian Institute, etc.
BETHLEHEM IRON COMPANY, South Bethlehem, Pa., 22,000 square feet.
PENCOYD IRON WORKS, Pencoyd, Pa., 12,000 square feet.
EDGE MOOR IRON COMPANY, Edge Moor, Delaware, 14,000 square feet.
AMOSKEAG MANUFACTURING COMPANY, Manchester, N. H.
INDUSTRIAL WORKS, Bay City, Michigan.
CALUMET & HECLA MINING CO., Calumet, Mich.
ALLISON MANUFACTURING COMPANY, Philadelphia, Pa., 13,000 square feet.
DICKSON MANUFACTURING CO., Scranton, Pa.
THE WILLIAM CRAMP & SONS' SHIP BUILDING CO., Philadelphia, Pa., 7,000 sq. ft.
I. P. MORRIS COMPANY, Philadelphia, Pa.
YALE & TOWNE MANUFACTURING COMPANY, Stamford, Conn.
HOLLY MANUFACTURING CO., Lockport, N. Y.
ROBT. L. POOLE, SON & CO., Baltimore, Md., 5,000 square feet.
W. F. & F. C. SAYLES, Saylesville, R. I., 8,000 square feet.
WASHINGTON BUTCHER'S SONS & CO., Philadelphia, Pa.
HILLES & JONES CO., Wilmington, Del.
BRIDGEPORT BRASS COMPANY, Bridgeport, Conn.
BROOKS LOCOMOTIVE WORKS, Dunkirk, New York.
LOUISVILLE & NASHVILLE RAILROAD, Louisville, Ky., 25,000 square feet.
NEW YORK CENTRAL & HUDSON RIVER RAILROAD, New York, 35,000 square feet.
ST. LOUIS, KEOKUK & NORTH-WESTERN RAILROAD, St. Louis, Mo., 12,000 sq. feet.
CINCINNATI, INDIANA, ST. LOUIS & CHICAGO RAILROAD, Cincinnati, 18,000 sq. ft.
FLINT & PERE MARQUETTE R. R., East Saginaw, Mich.
BALTIMORE & OHIO R. R., Baltimore, Md.
N. Y., P. & O. RAILROAD, Cleveland, Ohio.
GEORGE S. MORISON, Esq., C. E., The Rookery, Chicago.
R. MONTFORT, Esq., Louisville, Ky.
E. D. LEAVITT, Esq., C. E., Cambridgeport.
HON. J. G. PERRY, Commissioner, New Capitol Building, Albany, N. Y., 9,000 sq. ft.
JAMES OLIVER, Esq., South Bend, Ind.
GIRARD COLLEGE, Philadelphia.
SHEPLEY, RUTAN & COOLIDGE, Architects, Chicago, and Boston, Mass.
WILSON BROS. & CO., Architects, Philadelphia, Pa.
ALLEGHENY CEMETERY CO., Pittsburgh, Pa.
ERASTUS WIMAN, Esq., New York City.
PHILIP D. ARMOUR, JR., Esq., Chicago.
J. L. MACAULAY, Esq., New York City.
HUGH N. CAMP, Esq., 55 Liberty Street, New York.
E. C. SMITH, Esq., St. Albans, Vt.
A. SANGER, Esq., Dallas, Texas.
JAMES C. WARNER, Esq., Nashville, Tenn.
PARKER EARLE, Esq., President American Horticultural Society, Cobden, Ill.
ELYTON LAND CO., Birmingham, Ala., and other.

THIRTEEN REASONS WHY

ENGINEERS, ARCHITECTS AND OTHERS MAY DECIDE TO ADOPT THE NEW "PARADIGM" SKYLIGHT SYSTEM.

1. The main bar being made of strong steel, greater strength is necessarily obtained than in the cheaply constructed sheet metal bars now being used all over the country.

2. The steel bars are not exposed to the weather at all, being entirely and completely covered by the glass and "caps," and they can be kept painted and will last as long as the building.

3. The "caps" are the only part of the patent "Paradigm" Sky light System exposed to the weather, and as these can be made of strong copper or lead, it will be readily conceded that a skylight or glass roof constructed on this system should outlast an ordinary galvanized iron skylight many years.

4. It is the most economical skylight system, by reason of the fact that we can supply the steel bar, lead cap, and copper cross bars at a price that will almost compete with the cheaply constructed galvanized iron skylights. The cost of maintenance and repairs is reduced to a minimum.

5. As the steel channel bar is so strong, averaging from one-eighth to one-quarter inch thick, a less number of roof purlins are required; for instance, purlins need not be less than five to eight feet centers.

6. Broken panes of glass can be replaced more easily and quickly than by any other method.

7. The skylight bars are usually made in one length, up to forty feet if necessary, so that defects, through careless soldering and consequent leakage, as in the sheet metal bars, is an impossibility.

8. The glass is all on a level, and butted at joints. No ugly laps.

9. The method of carrying off the condensation formed on the under side of the glass is simply perfect.

10. A skylight or glass roof, glazed on the patent "Paradigm" System, cannot get out of order. If no glass is accidentally broken, there is no reason why the skylight should not last for a hundred years.

11. For the roofs of greenhouses, the "Paradigm" System of Glass Roofing cannot be excelled. All the wooden sash bars are done away with.

12. The method used for making a watertight joint at the junction where two panes of glass meet, which permits the glass to be butted instead of being lapped, will commend itself to engineers. The cross bar is usually made of strong copper or other sheet metal.

13. The glass rests on the edges of the channel bar, and should the iron contract or expand the glass is out of harm's way, so that if the metal contracted or expanded one-quarter of an inch which, of course, is unlikely, still the glass would be uninjured.

The great trouble has been when glazing glass on iron (T bars being generally used), the breakage from the above cause has been enormous.

DETAILS OF THE NEW PATENT "PARADIGM" SYSTEM OF GLASS ROOFING.

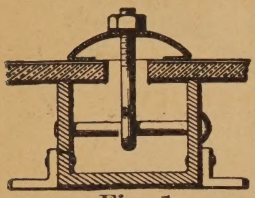


Fig. 1.

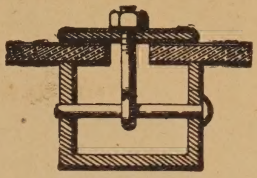


Fig. 2.

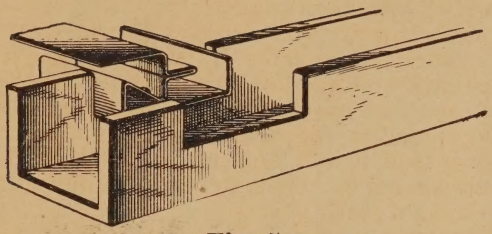


Fig. 5.

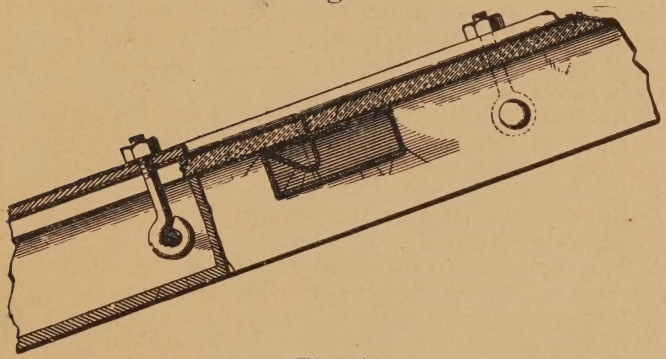


Fig. 4.

DESCRIPTION.

The astragal or channel bar "A" (see first page), is made of strong steel, varying in width from one inch to two inches, depending on the distance between the roof purlins to which said astragals are bolted, by means of iron shoes, or lugs, as shown at Fig. 1.

About every eighteen inches apart, one-quarter inch holes are made in the sides of the astragal bar, into which is secured the cross bolt "B" and eye bolt "C." These bolts secure the glass in place, by means of the cap "D" and the nut "E." This "cap" is made of a bent piece of sheet copper (see Fig. 1), or narrow pieces of iron covered with copper or lead (see Fig. 2).

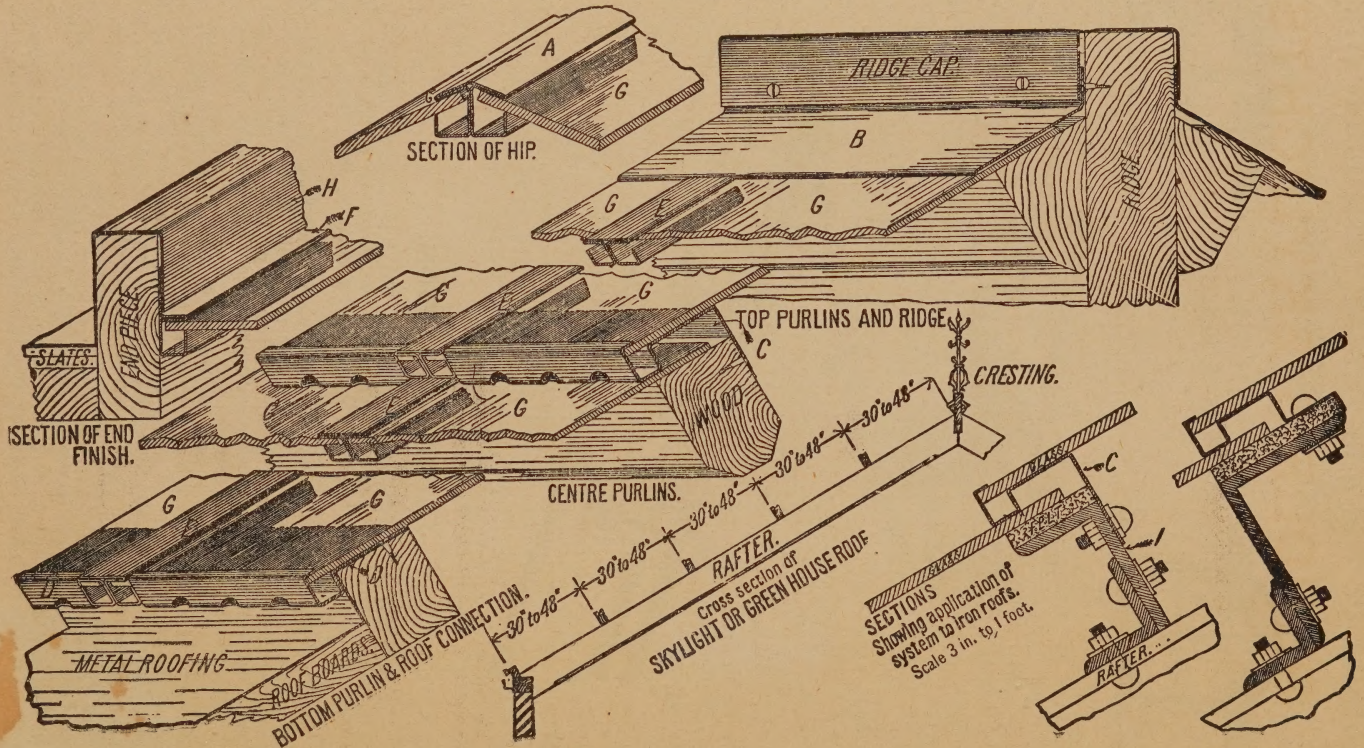
The cross bar of the Patent "Paradigm" System is made of copper or any sheet metal of the shape shown at Figs. 4 and 5. The upper sheet of glass lays on the ledge of cross bar as shown, and can be set in white lead or "dry;" the sheet of glass immediately below it rests on the edge of cross bar, and is covered by the cross "cap."

Condensation forming on the under side of the glass runs down the glass, and drops into the cross bar, and so into the main channel bar.

The cross bars are fitted into slots cut in the steel channel bars, 1½ inches long by ½-inch deep, as shown at Fig. 4, and particularly at Fig. 5; and they are made the exact length of width of glass, and lap over main astragal or channel bar, as shown at Fig. 5, so that all rain water or condensation finds its way into the main channel bar.

Details of Rendle's Patent "Aeme" System of Glass Roofing.

A—Hip Bar; B—Top Bar; C—Middle Bar; D—Bottom Bar; E—Vertical Bar; F—End Bar; All made of Copper or Galvanized Iron.
G—Glass; H—Flashings to Ends, Etc.



RENDLE'S SKYLIGHTS.

Our Patent "Acme" System of Glass Roofing detailed on the preceding page is so well and favorably known that we really need only say that over *Eight million square feet of glass have been laid on this system* in this country and abroad, and that we are prepared to lay Eight million feet more at prices that will defy competition and guarantee absolute satisfaction.

Among the most important skylight work done by us on our Patent "Acme" System we can mention the big skylights over the new gun shops and Breech Mechanism shop of the Washington Navy Yard, over 20,000 square feet; the Grand Central Depot, New York, over 18,000 feet; the skylight 1,200 feet long for the Bethlehem Iron Co., of South Bethlehem; the Bridge shop of the Pencoyd Iron Works, Pencoyd, Pa., 12,000 feet (one of the best lighted shops in the country); Edge Moor Iron Co., Edge Moor, Del., 13,000 square feet; the big depot of the Louisville & Nashville R. R., at Louisville, Ky., over 25,000 square feet; the 600 foot skylight for the St. L. K. & N. W. R. R. (C. B. & Q. system) freight station at St. Louis, Mo.; the big skylight several hundred feet long erected for the Calumet and Hecla Mining Co., Calumet, Mich., etc., etc.

In England we have done an enormous business: Carlisle station 322,000 square feet; Gordon street station, Glasgow, 130,000 square feet; Bridge street station, Glasgow, 116,000 square feet, and several million square feet for H. M. Government, twenty-eight railway companies and prominent firms.

We are now prepared to quote prices for "Paradigm" Skylights, any size or style, either shipped F. O. B. or put up anywhere.

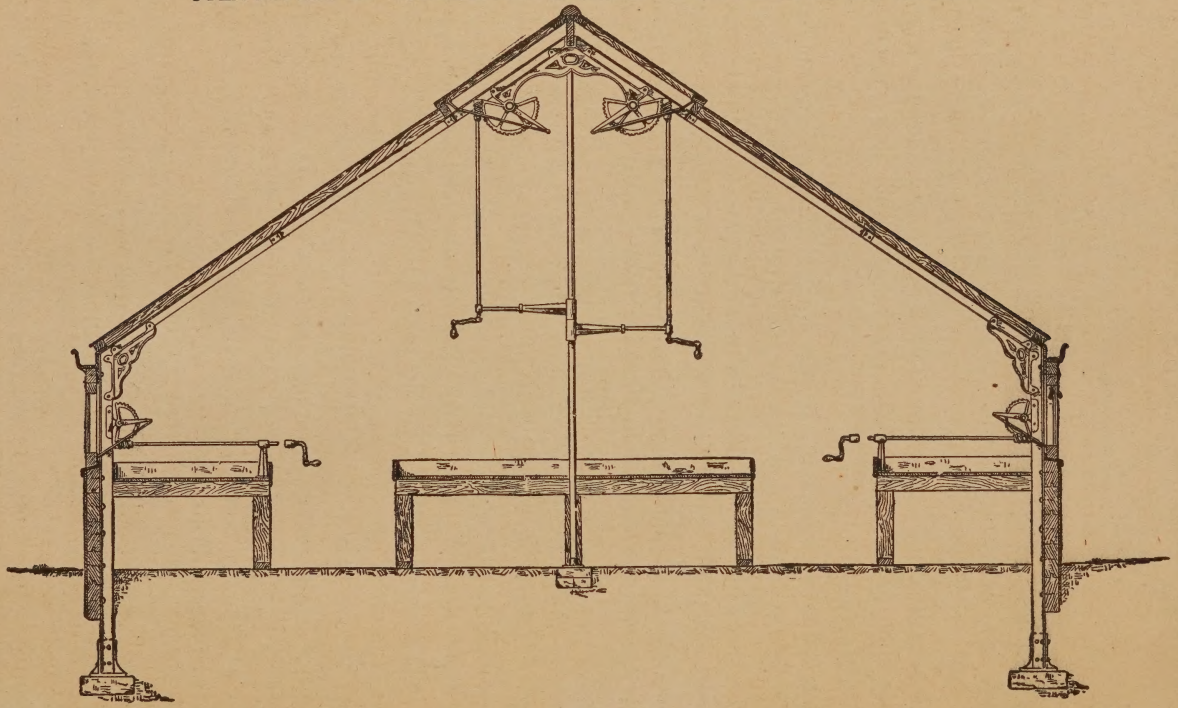
Special rates to Builders and Contractors for small Skylights for houses, stores, etc.

We positively guarantee to provide the best Skylights in the market and at prices that will be satisfactory.

Any ordinary mechanic can put our Skylights together.

WE INVITE CORRESPONDENCE.

RENDLE'S GREENHOUSE CONSTRUCTION.



Section of Span Roof Greenhouse: Rafters, Purlins, Posts, Opening Gear, Brackets, Sills, of Iron, Wood Plant Tables.

N. B.—See our exhibit at the World's Fair, opposite Horticultural Hall, space 65 x 85.

Rendle's Greenhouse Construction.

Where no stone foundation or brickwork is intended, we provide iron posts placed about two and one-half feet below the ground and set in cast iron bases. To these posts the iron rafters are secured by means of iron brackets or plates, the rafters again being tied at the ridge by iron plates.

The purlins are of angle iron and are riveted or bolted to the iron rafters by iron lugs or shoes.

In cases where the iron posts are used, the sides of glass houses can be sheathed with wood and clap-boarded, or sheathed with wood with an outer covering of one-half inch slate or heavy galvanized iron. Above the sheathing, side sash, say two feet high, can be put. These can be arranged to open.

In general cases we recommend our patrons to have a stone foundation two or three feet below the ground, say eighteen inches thick; and two or three feet of brickwork eight or twelve inches thick above. In these cases we provide iron sills, to which the iron side posts are secured.

In writing for estimates kindly state whether it is proposed to use iron posts or brickwork as a foundation, also the probable dimensions of the houses to be built and style of same.

The roofs of our glass houses can be glazed on either of the following methods, viz:

1. On the ordinary method with wooden sash bars, secured to the iron purlins by wood screws, then laid in putty on the sash bars, and secured by metal clips.

2. On Rendle's Patent "Acme" System, without putty, sheet metal bars. Several hundred glass houses have been glazed on this excellent System. (See testimonial letters on another page.)

3. On Rendle's new Patent "Paradigm" System wrought iron channel bar and cap, described on another page.

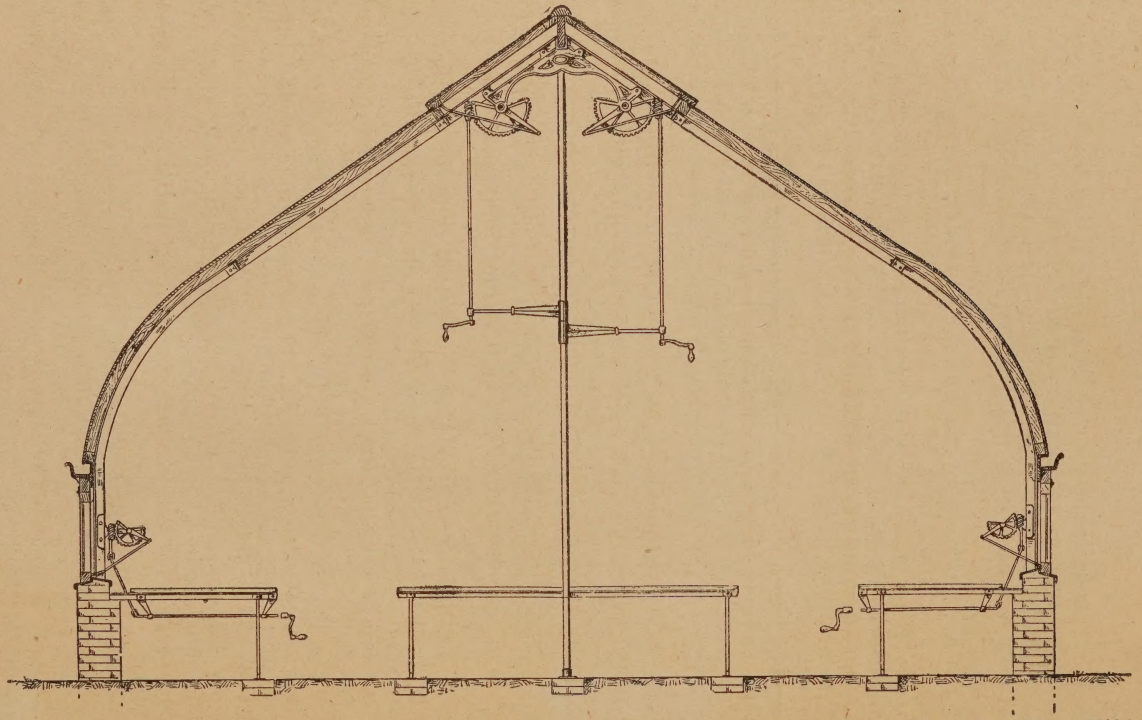
After reading the above it will be seen that our glass houses are constructed in the most durable and substantial manner. The light iron rafters take the place of the old-fashioned, unsightly wooden ones, and the entire structure is easily erected. Every part is fitted in our factory before shipment. The sash bar, side sash, ridge and ventilators being easily fixed to the iron frame after it has been put up, and can be easily replaced whenever required without disturbing the main structure.

We shall be pleased to furnish estimates for slate and iron plant tables of the strongest and best description. Posts of round, T, or angle iron; rests of T iron, and edges of angle iron, all bolted together in the strongest manner. The slate is one-half inch thick with sawed edges, and perfectly smooth tops.

We also supply ventilating apparatus, and we submit estimates for heating our glass houses by steam or hot water.

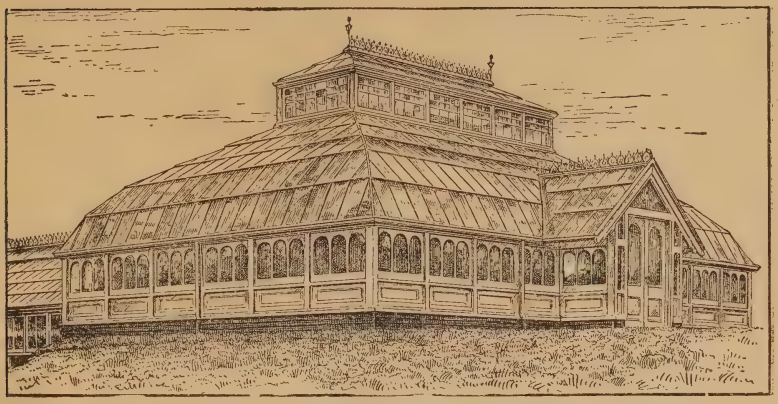
N. B. See our exhibit at the World's Fair, opposite Horticultural Hall, space 65 x 85.

RENDLE'S GREENHOUSE CONSTRUCTION.



Section of Curvilinear Greenhouse: Rafters, Purlins, Posts, Opening Gear, Brackets, Sills, of Iron, Iron Plant Tables, with Slate or Earthenware Tops.

N. B.—See our exhibit at the World's Fair, opposite Horticultural Hall, space 65 x 85.



[Houses built like this at Springfield, Mass., Riverside, Conn., and Buffalo, N. Y.]

We have just completed one of the most handsome range of Greenhouses and Palm House in the country, for the Allegheny Cemetery Co., Pittsburgh, Pa., John Perring, Esq., Superintendent, from the plans of Messrs. Wilson Brothers & Co., the well-known Philadelphia architects. These houses, five, each 100 feet long, and Palm House 90x30 are constructed entirely of iron, no wood at all except the doors. We refer to the above gentlemen. We have also erected a fine range of Greenhouses (4) and Palm House for Philip D. Armour, Jr., Esq., at his magnificent country seat at Lake Oconomowoc, Wis.; also a range for General Samuel Thomas at Dobbs Ferry, N. Y., and a very complete Greenhouse for Erastus Wiman, Esq., at St. George's, Staten Island.

We also refer to work done for the New York State Hospital at Utica, N. Y.; the New York State Hospital at Buffalo, N. Y.; Girard College, Philadelphia, and many others.

We have also built several hundred Greenhouses in Great Britain and Ireland and have shipped Greenhouses to all parts of the world.

N. B. See our exhibit at the World's Fair, opposite Horticultural Hall, space 65x85.

TESTIMONIALS IN REGARD TO OUR SKYLIGHT WORK.

R. MONTFORT, Esq., Chief Engineer, Louisville and Nashville, R. R., Louisville, Ky., writes:

"When we have anything in your line I shall be glad to call on you for a bid. The work which you did on the Louisville Station has so far given satisfaction." (Work done two years before, 25,000 sq. ft.)

THE BROOKS LOCOMOTIVE WORKS, Dunkirk, N. Y., writes:

"Replying to your favor of May 22d, would say that the skylights put up under your system have thus far proved to be absolutely tight against driving rain—the first experience which we have had of this character"

SANFORD KEELER, Esq., Superintendent Flint and Pere Marquette Railroad, East Saginaw, Mich., writes:

"Yours of Sept. 6th, making inquiry in regard to the 'ACME SYSTEM' of putting skylights on roofs, received. In reply will say that the skylight (280x15) in our machine shop roof put in by you in 1881 has served its purpose so far entirely to the satisfaction of all concerned. Our shop is beautifully lighted and is the admiration of all who see it."

WILLIAM LUSH, Esq., then Assistant Engineer New York Central and Hudson River Railroad, New York, writes:

"The Skylight (620x30 ft.) lately constructed by you upon the new train-house at this Company's Grand Central Station, in this city, is an extremely satisfactory piece of work in all respects, and I take pleasure in testifying to the excellence of the system upon which it is glazed.

MESSRS. W. F. & F. C. SAYLES, Pawtucket, R. I., writes:

"Your system of putting on glass roofs as carried out at our Dye Works (glass roof 180x30 feet) has been very satisfactory."

INDUSTRIAL WORKS, Bay City, Mich., write:

"In reply to your favor of the 26th, we will state that some five years ago we purchased your 'ACME SYSTEM' of glass roofing for the erecting shop we were then building. Its use since that date has determined its many excellent features, and decided us last year in adopting it for one of our other buildings. We have found it very satisfactory."

YALE AND TOWNE MANUFACTURING COMPANY, Stamford, Conn., write:

"The skylights furnished for our buildings here some five years since by Arthur E. Rendle have been entirely satisfactory in every way. We are glad to recommend them."

DICKSON MANUFACTURING COMPANY, Scranton, Pa., write:

"The skylight (200x12 ft.) gives us excellent satisfaction. The light is agreeable and abundant, and the structure proved to be water-tight during all of the severe rains last spring. We take pleasure in saying that we consider your system of glazing roofs and skylights the best we have ever seen."

And again write four years later:

"Our experience with the RENDLE SYSTEM of Glass Roofing in our machine shop has been very satisfactory. The light is good, we have never had any trouble at all from its leaking, and it has fully met our expectations in every respect."

I. P. MORRIS COMPANY, Philadelphia, Pa., write:

"In reply to your verbal inquiry we beg to say that we have had your system of lights in our erecting shop for a few months only, but so far we are much pleased with it."

BRIDGEPORT BRASS COMPANY, Bridgeport Conn., write:

"The six large skylights you recently glazed for us under your patent 'ACME SYSTEM,' without putty, are eminently satisfactory. The SYSTEM is so comprehensive and unique that we think it cannot fail to come into general use for this class of work."

AMOSKEAG MANUFACTURING COMPANY, Manchester, N. H., write:

"Replying to your favor of the 25th inst., I would say that the glazing on the skylights over our engine room has answered my expectations up to the present time. No leak has shown itself."

TESTIMONIALS IN REGARD TO OUR SKYLIGHT WORK—Continued.

I. G. PERRY, Esq., Commissioner New Capitol, Albany, N. Y., writes:

"In answer to your inquiry as regards the result of my experience in using the 'ACME' SYSTEM in the construction of skylights, would most cheerfully state that I consider it the best system that I have used in my long practice, and I have never heard any complaints from the many skylights that I have had constructed on this system. They have always proved to be water-tight, and the manner in which they are constructed presents a very light and beautiful appearance. The skylight of about 9,000 square feet on the new Capitol building, now very nearly completed, is also very satisfactory."

WILLIS P. THARP, Esq., Chief Engineer Kentucky Central R. R., Covington, Ky., writes:

"Several years since I made a careful examination of glass roofing in many parts of the country with the view of selecting the best known system for use in my work. As a result I adopted the 'ACME,' and am pleased to state that after several years' use of many hundred square feet, I have no reason to regret my choice. I consider the system of glass roofing as furnished by Mr. Arthur E. Rendle to be the best in the country, and as near perfection as is possible. It is light and elegant in appearance, water-tight in construction, gives more light than any other skylight of which I have knowledge, and its durability is beyond question. As an Engineer and Architect being familiar with the construction and working of the RENDLE SYSTEM, I must say that I believe it to be the best in use."

MESSRS. POOL & HUNT, Founders, Baltimore, Md., write:

"We beg to say that we have a large quantity of RENDLE 'ACME' SYSTEM of Glass Roofing in use at our works. It has never given us a particle of trouble, but has been satisfactory in every way. We heartily recommend it to any one using glass roofing, skylights, etc. We say this after several years' experience."

MESSRS. WM. SKINNER & SON, Holyoke, Mass., write:

"In answer to your inquiry respecting the skylights you put in our last two mills, we take pleasure in saying they have never leaked or given us one particle of trouble."

HOLLY MANUFACTURING COMPANY, Lockport, N. Y., write:

"Regarding skylight furnished by you for our foundry about one year ago (18x100 ft.) would say that it gives entire satisfaction in every respect, has cost us nothing for repairs, and appears to us the best system of glazing without putty in use."

CHAS. LATIMER, Esq., Chief Engineer New York, Penn. & Ohio R. R., Cleveland, Ohio, writes:

"We like your Glass Roofing very much. It gives great satisfaction, and I believe it will prove a great success."

And again writes five years after this work was done:

"Your letter of the 1st of July duly received. Your roofing gives entire satisfaction, and I should advise——to take it if they want a good thing."

J. T. C. MCKEAN, Esq., Architect Intercolonial Railway, St. Johns, N. B., writes:

"The glazing done by him (Mr. Arthur E. Rendle) on the roofs of the station buildings of the Intercolonial Railway Company in this city has given every satisfaction." (15,000 sq. ft.)

CHARLES CRAPSEY, Esq., Architect, Cincinnati, Ohio, writes:

"I desire to say that your skylight gives entire satisfaction; it does not leak at all, although we have had many hard rains recently. The light is perfect, and this can also be said of the materials and construction. I hope to meet you as pleasantly on some other job."

MESSRS. OGDEN & WRIGHT, Architects, Albany, N. Y., write:

"The glazing done by you in skylight over arcade in Tweddle Building, this city, now some time over a year, has given us and our client, Mr. J. W. Tillinghast, every satisfaction. Thus far it has proved water-tight. We have experienced no trouble from condensation or any other cause."

TESTIMONIALS IN REGARD TO OUR GREENHOUSE WORK.

MR. GEORGE HUSTER, Head Gardener, Girard College, Philadelphia, Pa., writes:

"In answer to your inquiry how I like the conservatory which you built on the College grounds four years ago, I will say that I like your 'ACME' SYSTEM of glazing without putty right well. It is water-tight and entirely satisfactory."

E. C. SMITH, Esq., 2d Vice-President Central Vermont R. R., St. Albans, Vt., writes:

"In response to your inquiry I have pleasure in stating that your system of Glass Roofing as applied to my rose house has given me entire satisfaction the past winter.

"I have found no difficulty in growing the most delicate tea roses, with the thermometer at 20 degrees below zero outside."

DR. G. ALDER BLUMER, Supt. New York State Hospital, Utica, N. Y., writes:

"The work done for the State Lunatic Asylum, Utica, by the Rendle Company is of such a character as to demand on its merits the fullest commendation to the public.

"There has been erected on the Asylum grounds a lean-to greenhouse, by way of an addition to the old one, so disposed as to bring into conspicuous contrast the superiority of the RENDLE PATENT SYSTEM of Glass Roofing without putty. A flood of light and sunshine pours into the greenhouse from the large panes of glass resting on slight, though strong metal bars on the new side, while in the old part the effect of small panes and obstructing woodwork is very apparent.

"The Rendle Company have also furnished said greenhouse with iron and slate tables of most convenient and substantial construction, thus permitting the free use of water everywhere without causing the decay of woodwork, which occurred under the old system.

"In addition, the Company have glazed a large skylight in the Asylum laundry in a most satisfactory manner."

MR. P. MARRON, Head Gardener to W. W. Skiddy, Esq., Stamford, Conn., writes:

"The greenhouse you re-glazed for Mr. Skiddy on your PATENT 'ACME' SYSTEM is satisfactory. I think nothing can equal it for rose growing, and I believe I had one-quarter more roses last winter than ever before in the same space. I believe the system will answer for grapes as well as roses."

W. W. CARLIN, Esq., President Western Association of Architects, Buffalo, N. Y., writes:

"It gives me great pleasure to endorse the RENDLE SYSTEM of Glazing as applied to greenhouses. I have just completed a greenhouse (75x20 and 40x25 feet) for the Buffalo State Asylum for the Insane, which is finished with roof, opening gear, etc., according to your system, and I am very much pleased with the practical working of the same since the houses have been in operation. I consider it superior to anything else of the kind which I have ever examined, and shall continue to use it for all work of the kind. You are at liberty to refer to me for endorsement at any time."

DR. J. B. ANDREWS, Superintendent Buffalo State Asylum for the Insane, Buffalo, N. Y., writes:

"In answer to your inquiry in regard to the greenhouse recently erected for the Buffalo State Asylum for the Insane, I can only say that the plan of the building is beautiful, excellent and satisfactory. The Patent Glass Roofing seems to have all the advantages claimed for it by you."

HUGH N. CAMP, Esq., New York City, writes:

"The greenhouse you built for me in 1887, glazed on RENDLE'S PATENT 'ACME' SYSTEM, has proved a most decided success and merits my highest anticipation. As a rule greenhouses are not, to my mind, helps to a landscape, but I am glad to feel that mine really is; hence one of the causes for my satisfaction with it."

F. C. STEVENS, Esq., Attica, N. Y., writes:

"The range of greenhouses built by you and glazed on your 'ACME' SYSTEM are very satisfactory. In the most driving rain-storms not a drop of rain comes through. I will gladly recommend your system to all who have greenhouses to build."

TESTIMONIALS IN REGARD TO OUR GREENHOUSE WORK—Continued.

PARKER EARLE, Esq., President American Horticultural Society and Chief of Department of Horticulture, World's Exposition, New Orleans, writes, relative to Horticultural Hall:

"Your great work here speaks for itself, and it does you honor."

GENERAL RUDOLPH SEIGLING, President of the Bank of Charleston, Charleston, S. C., writes:

"In 1885 Mr. Arthur E. Rendle constructed and erected for me, on the grounds attached to my residence, a glass conservatory covered with RENDLE'S SYSTEM of Glass Roofing. The situation is an exposed one on the battery and fronting Charleston Harbor, thereby subjecting the structure to our east winds and gales. The roof has proved perfectly water-tight under all circumstances, and the plants have thrived admirably.

"During the late earthquake all the buildings in our neighborhood were more or less injured, with the exception of the conservatory, which came out absolutely intact. In point of fact, it was used as a place of safety for some of my household.

"I regard the RENDLE SYSTEM of Glass Roofing a perfect success. I selected it after a most careful consideration of all the other methods, and experience has shown that it is all it claims to be."

MR. SAMUEL MURRAY, of Probst Bros.' Floral Co., Kansas City, Mo., writes:

"I am still very much pleased with your 'ACME' SYSTEM of glazing without putty. The increase in light is very marked indeed, which is so beneficial to flowering plants, especially during the dull winter months. I can say from experience that I have been able to obtain more cut flowers from your system of glazing, and, moreover, we have had no labor or expense in re-puttying leaks, etc. Your system has proved to be absolutely water-tight. It has now stood the test of one summer and two winters, giving enitre satisfaction, and I am satisfied will be more durable than any other system I have seen yet. I take pleasure in recommending your system."

JAMES C. WARNER, Esq., President Warner Iron Co., Nashville, Tenn., writes:

"The conservatory you built for me last year has given entire satisfaction. Your system of glass roofing is certainly very much superior to the old method. You can refer the party to me for any information needed."

MR. G. T. RENNIE, Gardener to William Rockefeller, Esq., at Greenwich, Conn., writes:

"I am very much pleased with your patent system of glazing without putty. I consider it effects a revolution in horticultural buildings. For the last forty years I have had to do with fruit and plant-houses on a very large scale."

A. SANGER, Esq., Dallas, Texas, writes:

"I am pleased to say that your roof is very satisfactory, and I will be pleased to recommend the same."

GEO. TYSON, Esq., Riverside, Conn., writes:

"It is about one year since you delivered my conservatory and greenhouse to me, and I feel that I must say to you that it is the finest building of its kind in this part of the country. In appearance it is beautiful and is admired by everybody. I have had persons for miles around call and see it, and its praise is universal.

"It stands exposed to the cold north and west winds of winter, but I have had no trouble in heating it, and the plants in spring show that your system is perfection itself, and I feel it to be my duty to recommend it to all who desire glass roofing or greenhouses."

J. L. MACAULAY, Esq., New York, writes:

"The patent glazing more than fulfills my expectations, being perfectly water-tight, and neat and elegant in appearance, both from exterior and interior. All my friends who have seen the house are delighted with it, and my gardener is especially pleased with it."

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RENDLE'S

PATENT SYSTEMS OF

GLASS ROOFING

FOR

Skylights and Glass Roofs

FOR

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